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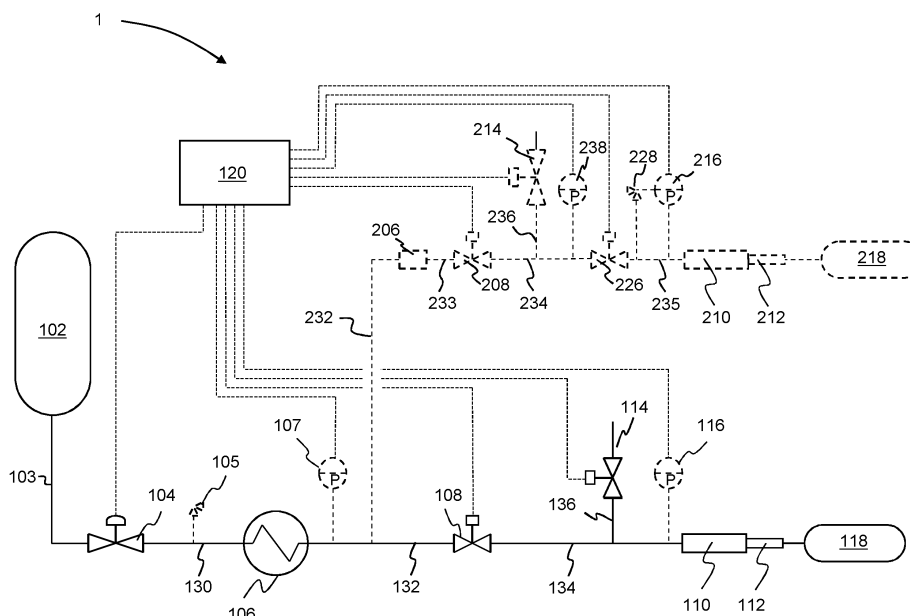
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(54) **METHOD OF OPERATING A HYDROGEN DISPENSING UNIT**

(57) Method of operating a hydrogen dispensing where pressure relief is provided through block and bleed valves. After dispensing hydrogen from a dispensing station where the hydrogen is cooled during dispensing, trapped hydrogen remains in the transfer lines. During

the idle time between refueling vehicles, the temperature of the trapped hydrogen increases resulting in an increase in the pressure of the trapped hydrogen. Block and bleed valves operate to relieve the pressure in the transfer lines.



FIGURE

**PARTIAL EUROPEAN SEARCH REPORT**

Application Number

under Rule 62a and/or 63 of the European Patent Convention.
This report shall be considered, for the purposes of
subsequent proceedings, as the European search report

EP 16 15 3937

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	US 2012/204975 A1 (CHEN SHI JUNG JERRY [US]) 16 August 2012 (2012-08-16) * figure 5 *	1-12	INV. F17C7/02 F17C13/12
A	WO 2014/084243 A1 (JX NIPPON OIL & ENERGY CORP [JP]) 5 June 2014 (2014-06-05) * figures 1-6 *	1-12	
A	WO 2011/060276 A2 (QUANTUM FUEL SYSTEMS TECHNOLOGIES WORLDWIDE INC [US]; CHEN SHI JUNG JE) 19 May 2011 (2011-05-19) * figure 11 *	1-12	
A	WO 2005/019721 A2 (PINNACLE WEST CAPITAL CORP [US]; HOBBS RAYMOND [US]) 3 March 2005 (2005-03-03) * figure 1 *	1-12	
			TECHNICAL FIELDS SEARCHED (IPC)
			F17C

INCOMPLETE SEARCH

The Search Division considers that the present application, or one or more of its claims, does/do not comply with the EPC so that only a partial search (R.62a, 63) has been carried out.

Claims searched completely :

Claims searched incompletely :

Claims not searched :

Reason for the limitation of the search:

see sheet C

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Place of search	Date of completion of the search	Examiner
Munich	11 May 2017	Papagiannis, Michail
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document		

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**INCOMPLETE SEARCH
SHEET C**

Application Number

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Claim(s) completely searchable:
1-12

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Claim(s) not searched:
13-15

Reason for the limitation of the search:

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In accordance with the applicant's reply of 23.03.17 to the invitation pursuant to Rule 62a(1) EPC (28.02.17), only claims 1-12 were searched.

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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11-05-2017

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